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**REMARKS**

The Advisory Action dated September 12, 2005, was carefully reviewed. A Request for Continued Examination (RCE) is filed concurrently with the present amendment. The Examiner rejected claims 1-8 under 35 U.S.C. § 102 as being anticipated by U.S. Patent No. 6,741,847 to Claxton et al., hereinafter Claxton. Claims 1, 6 and 8 are amended herein and claims 1-8 remain in the application.

The present invention requires summing only the desired signals filtered from the entire frequency band into one summed signals. Independent claim 1 has been amended to highlight the fact that the present invention sums only the desired signals. Each of the desired signals is defined by tuning a tunable bandpass filter to the desired frequency. Likewise, independent claim 6 requires filtering the analog signal into a predetermined number of desired frequencies and then combining only the desired frequencies into a single combined analog signal.

The Claxton reference does not require summing only desired signals. The Claxton reference downconverts all high frequency signals, including desired and undesired signals, to an intermediate frequency, or baseband signal. Furthermore, Claxton does not distinguish between desired and undesired signals and therefore cannot teach or disclose selecting only desired signals for summation.

Regarding claim 8, the present invention requires receiving a first desired frequency, receiving a predetermined undesired frequency and adjusting an automatic gain control for the predetermined undesired frequency to absorb the predetermined undesired signal.

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The Examiner points to columns 1 and 2, lines 64-10 of Claxton as disclosing the features of applicant's independent claim 8, but that selection of Claxton does not teach or disclose absorbing "undesired" frequencies and in fact, Claxton teaches being "insensitive" to potential cross-channel interference. Being insensitive to interference implies rejecting interference, it does not teach or suggest receiving a predetermined undesired frequency as claimed in claim 8 of the present invention. The present invention identifies the signal as predetermined so that it welcomes and actually receives the predetermined undesired signal in order to absorb it and eliminate it as an RF signal before it reaches the ADC and the digital processing of the desired signal as claimed in independent claim 8. In Claxton the down-converter is a wide bandwidth band limited filter and has no capability to tune to a single RF frequency, be it a desired frequency or an undesired frequency.

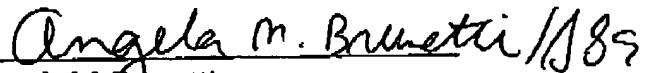
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It is respectfully requested the Examiner withdraw the rejection of claims 1-8 under 35 U.S.C. § 102. Should the Examiner have any questions or comments that may place the application in better condition for allowance, he is respectfully requested to contact the undersigned attorney.

Respectfully submitted,

  
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